

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/034501

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|---|---|-----------------------|
| A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K31/44 C07D213/30 C07D213/61 A61P1/04 | | |
| According to International Patent Classification (IPC) or to both national classification and IPC | | |
| B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07D | | |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched | | |
| Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, CHEM ABS Data | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | |
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| X | WO 03/013247 A (SYNGENTA PARTICIPATIONS AG; SCHAEETZER, JUERGEN; EBERLE, MARTIN; WENGER) 20 February 2003 (2003-02-20) claim 1 examples | 1-4 |
| X | WO 02/28182 A (SYNGENTA PARTICIPATIONS AG; SCHAEETZER, JUERGEN; RENOLD, PETER; CRAIG,) 11 April 2002 (2002-04-11) claim 1 examples | 1-4 |
| X | US 2003/204090 A1 (ONO MITSUNORI ET AL) 30 October 2003 (2003-10-30) page 31, '0297! | 1-4 |
| ----- -/--- | | |
| <div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex. </div> | | |
| * Special categories of cited documents : | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*&* document member of the same patent family</p> </div> </div> | | |
| Date of the actual completion of the international search <div style="text-align: center; font-weight: bold;">16 February 2005</div> | Date of mailing of the international search report <div style="text-align: center; font-weight: bold;">23/02/2005</div> | |
| Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 | Authorized officer <div style="text-align: center; font-weight: bold;">Bérillon, L</div> | |

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | ATTWOOD M R ET AL: TETRAHEDRON LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 32, no. 6, 1991, pages 811-814, XP002082330 ISSN: 0040-4039 compound 3 | 1-4 |
| A | ----- WO 02/062323 A (NOVARTIS AG; NOVARTIS-ERFINDUNGEN VERWALTUNGSGESELLSCHAFT M.B.H; GASPA) 15 August 2002 (2002-08-15) the whole document | 1-13 |
| A | ----- WO 01/16121 A (MERCK & CO., INC; COSFORD, NICHOLAS, D., P; MCDONALD, IAN, A; BLEICHER) 8 March 2001 (2001-03-08) the whole document | 1-13 |
| A | ----- WO 99/02497 A (NOVARTIS AG; NOVARTIS-ERFINDUNGEN VERWALTUNGSGESELLSCHAFT MBH; SIBIA N) 21 January 1999 (1999-01-21) the whole document ----- | 1-13 |

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 12, 13
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 12 and 13 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
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| WO 03013247 | A | 20-02-2003 | BR 0211805 A CA 2453951 A1 WO 03013247 A1 EP 1414301 A1 HU 0401335 A2 US 2004248739 A1 | 21-09-2004 20-02-2003 20-02-2003 06-05-2004 28-12-2004 09-12-2004 |
| WO 0228182 | A | 11-04-2002 | AU 1820002 A BR 0114159 A CA 2422675 A1 CN 1468055 T WO 0228182 A1 EP 1370140 A1 HU 0301097 A2 US 2004102325 A1 ZA 200301620 A | 15-04-2002 29-07-2003 11-04-2002 14-01-2004 11-04-2002 17-12-2003 28-10-2003 27-05-2004 20-04-2004 |
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| WO 0116121 | A | 08-03-2001 | AU 6948200 A CA 2383524 A1 EP 1214303 A1 JP 2003508390 T WO 0116121 A1 US 2003055247 A1 | 26-03-2001 08-03-2001 19-06-2002 04-03-2003 08-03-2001 20-03-2003 |
| WO 9902497 | A | 21-01-1999 | AU 738973 B2 AU 8974398 A BR 9811685 A CA 2295678 A1 CN 1262676 T WO 9902497 A2 EP 0998459 A2 HU 0004225 A2 ID 23889 A JP 3481208 B2 JP 2001509504 T NO 20000124 A NZ 502210 A PL 343865 A1 RU 2203889 C2 SK 232000 A3 TR 200000059 T2 TW 544448 B | 04-10-2001 08-02-1999 19-09-2000 21-01-1999 09-08-2000 21-01-1999 10-05-2000 28-05-2001 25-05-2000 22-12-2003 24-07-2001 02-03-2000 26-07-2002 10-09-2001 10-05-2003 12-06-2000 21-06-2000 01-08-2003 |

Information on patent family members

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Form PCT/ISA/210 (patent family annex) (January 2004)